

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A radio communication system, comprising:

a first radio communication apparatus in which first information for identification of a radio network and second information regarding the security are set in advance as communication information necessary for communication through said radio network; and

a second radio communication apparatus configured to communicate ~~operable for communicating~~ with said first radio communication apparatus by radio communication through said radio network;

said second radio communication apparatus configured to transmit ~~transmitting~~ request information for requesting for transmission of the communication information to said first radio communication apparatus by radio communication;

said first radio communication apparatus configured to transmit ~~transmitting~~ the first and second information as a response to the request information transmitted thereto from said second radio communication apparatus;

said second radio communication apparatus configured to set ~~setting~~ the first and second information transmitted thereto from said first radio communication apparatus as the communication information;

said first and second radio communication apparatuses configured to utilize ~~utilizing~~ the communication information individually set therein to communicate with each other by radio communication.

Claim 2 (Currently Amended): A radio communication method for a radio communication system which includes a first radio communication apparatus in which first information for identification of a radio network and second information regarding the

security are set in advance as communication information necessary for communication through said radio network and a second radio communication apparatus operable for communicating with said first radio communication apparatus by radio communication through said radio network, comprising:

~~a step performed by said second radio communication apparatus of transmitting by~~  
said second radio communication apparatus request information for requesting for transmission of the communication information to said first radio communication apparatus by radio communication;

~~another step performed by said first radio communication apparatus of transmitting by~~  
said first reunification apparatus the first and second information as a response to the request information transmitted thereto from said second radio communication apparatus;

~~a further step performed by said second radio communication apparatus of setting by~~  
the second radio communication apparatus the first and second information transmitted thereto from said first radio communication apparatus as the communication information; and

~~a still further step performed by said first and second radio communication~~  
~~apparatuses of utilizing by~~ said first and second radio communication apparatuses the communication information individually set therein to communicate with each other by radio communication.

Claim 3 (Original): A radio communication apparatus which communicates with a different radio communication apparatus by radio communication through a radio network, comprising:

setting means in which first information for identification of said radio network and second information regarding the security are set as communication information necessary for communication through said radio network; and

transmission control means for controlling, when request information for requesting for transmission of the communication information is received from said different radio communication apparatus by radio communication, transmission of the first and second information to said different radio communication apparatus as a response to the request information by radio communication.

Claim 4 (Currently Amended): The [[A]] radio communication apparatus according to claim 3, wherein the request information is a probe request.

Claim 5 (Currently Amended): The [[A]] radio communication apparatus according to claim 3, wherein a management frame is utilized for the transmission of the request information and the communication information.

Claim 6 (Currently Amended): The [[A]] radio communication apparatus according to claim 3, wherein the first information is a Service Set Identification.

Claim 7 (Currently Amended): The [[A]] radio communication apparatus according to claim 3, wherein the second information is a Wired Equivalent Privacy key.

Claim 8 (Currently Amended): The [[A]] radio communication apparatus according to claim 3, further comprising encryption means for encrypting the communication information at least once, said transmission control means controlling the transmission of the communication information encrypted by said encryption means.

Claim 9 (Currently Amended): A radio communication method for a radio communication apparatus which communicates with a different radio communication apparatus by radio communication through a radio network, comprising:

~~a transmission control step of~~ controlling, when request information for requesting for transmission of communication information necessary for communication through said radio network is transmitted from said different radio communication apparatus to said radio communication apparatus by radio communication, transmission of first information for identification of said radio network and second information regarding the security set as communication information in said radio communication apparatus in advance by radio communication from said radio communication apparatus to said different radio communication apparatus as a response to the request information.

Claim 10 (Currently Amended): A computer readable medium including computer executable instructions, wherein the instructions, when executed by a processor ~~program for causing a computer,~~ which controls a radio communication apparatus which communicates with a different radio communication apparatus by radio communication through a radio network, cause the processor to execute a method comprising:

~~a transmission control step of~~ controlling, when request information for requesting for transmission of communication information necessary for communication through said radio network is transmitted from said different radio communication apparatus to said radio communication apparatus by radio communication, transmission of first information for identification of said radio network and second information regarding the security set as communication information in said radio communication apparatus in advance by radio communication from said radio communication apparatus to said different radio communication apparatus as a response to the request information.

Claim 11 (Original): A radio communication apparatus which communicates with a different radio communication apparatus by radio communication through a radio network, comprising:

transmission control means for controlling transmission of request information for requesting for transmission of communication information necessary for communication through said radio network to said different radio communication apparatus by radio communication; and

setting means for setting, when first information for identification of said radio network and second information regarding the security are transmitted as the communication information from said different radio communication apparatus to said radio communication apparatus by radio communication in response to the request information transmitted from said radio communication apparatus under the control of said transmission control means, the first and second information as the communication information therein.

Claim 12 (Currently Amended): The [[A]] radio communication apparatus according to claim 11, wherein the request information is a probe request.

Claim 13 (Currently Amended): The [[A]] radio communication apparatus according to claim 11, wherein a management frame is utilized for the transmission of the request information and the communication information.

Claim 14 (Currently Amended): The [[A]] radio communication apparatus according to claim 11, wherein the first information is a Service Set Identification.

Claim 15 (Currently Amended): The [[A]] radio communication apparatus according to claim 11, wherein the second information is a Wired Equivalent Privacy key.

Claim 16 (Currently Amended): The [[A]] radio communication apparatus according to claim 11, further comprising conversion means for converting a signal transmitted thereto through said radio network into a signal which can be transmitted through a wire circuit and converting a signal transmitted thereto through said wire circuit into a signal which can be transmitted in said radio network.

Claim 17 (Currently Amended): The [[A]] radio communication apparatus according to claim 11, wherein said radio communication apparatus is a personal computer card for a radio local area network.

Claim 18 (Currently Amended): The [[A]] radio communication apparatus according to claim 11, further comprising decryption means for decrypting, where the first and second information transmitted thereto from said different radio communication apparatus are in a form encrypted at least once, the encrypted first and second information, said setting means setting the first and second information decrypted by said decryption means as the communication information.

Claim 19 (Currently Amended): A radio communication method for a radio communication apparatus which communicates with a different radio communication apparatus by radio communication through a radio network, comprising:

~~a transmission control step of~~ controlling transmission of request information for requesting for transmission of communication information necessary for communication

through said radio network to said different radio communication apparatus by radio communication; and

~~a setting step of setting~~, when first information for identification of said radio network and second information regarding the security are transmitted as the communication information from said different radio communication apparatus to said radio communication apparatus by radio communication in response to the request information transmitted from said radio communication apparatus under the control of the process at the controlling ~~transmission control step~~, the first and second information as the communication information therein.

Claim 20 (Currently Amended): A computer readable medium including computer executable instructions, wherein the instructions, when executed by a processor ~~program for causing a computer~~, which controls a radio communication apparatus which communicates with a different radio communication apparatus by radio communication through a radio network, cause the processor to execute a method comprising:

~~a transmission control step of controlling transmission of request information for requesting for transmission of communication information necessary for communication through said radio network to said different radio communication apparatus by radio communication; and~~

~~a setting step of setting~~, when first information for identification of said radio network and second information regarding the security are transmitted as the communication information from said different radio communication apparatus to said radio communication apparatus by radio communication in response to the request information transmitted from said radio communication apparatus under the control of the process at the controlling

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~~transmission control step~~, the first and second information as the communication information therein.